DB L Number Hits Search Text 5900886.URPN. USPAT 2003/05/20 07:01 3 USPAT 5821910.URPN. 2003/05/20 07:02 6 7 48865 ((computer or video or multimedia) same USPAT 2003/05/20 07:13 display) and controller USPAT 2003/05/20 07:13 8 46785 (((computer or video or multimedia) same display) and controller ) and @ad<20000928 9 0 ((((computer or video or multimedia) same USPAT 2003/05/20 07:14 display) and controller ) and @ad<20000928) and "bounded video signature analyzer" USPAT 2003/05/20 07:32 10 ((((computer or video or multimedia) same display) and controller ) and @ad<20000928) and "signature analyzer" 2003/05/20 07:35 11 736 ((((computer or video or multimedia) same USPAT display) and controller ) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock ((((computer or video or multimedia) same USPAT 2003/05/20 07:35 12 display) and controller ) and @ad<20000928) and (underflow or starve or lockup or deadlock or flicker or jitter) and vram and count and clock 13 (((((computer or video or multimedia) same USPAT 2003/05/20 07:35 display) and controller ) and @ad<20000928) and (underflow or starve or lockup or deadlock or flicker or jitter) and vram and count and clock) and underflow 2003/05/20 07:36 14 ((((((computer or video or multimedia) USPAT same display) and controller ) and @ad<20000928) and (underflow or starve or lockup or deadlock or flicker or jitter) and vram and count and clock) and underflow) and fifo and lockup 15 USPAT 2003/05/20 07:36 (((((computer or video or multimedia) same display) and controller ) and @ad<20000928) and (underflow or starve or lockup or deadlock or flicker or jitter) and vram and count and clock) and fifo and lockup 2003/05/20 07:36 16 (((((computer or video or multimedia) same USPAT display) and controller ) and @ad<20000928) and (underflow or starve or lockup or deadlock or flicker or jitter) and vram and count and clock) and (fifo and lockup) 17 USPAT 2003/05/20 07:37 (((((computer or video or multimedia) same display) and controller ) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo and lockup) (((((computer or video or multimedia) same 2003/05/20 07:37 18 USPAT display) and controller ) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo) 19 (((((computer or video or multimedia) USPAT 2003/05/20 07:38 same display) and controller ) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo)) and (compare or difference or threshold or "less than" or "more than")

20	238	(((((((computer or video or multimedia) same display) and controller ) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo)) and (compare or difference or threshold or "less than" or "more than")) and register	USPAT	2003/05/20 07:38
21	179	l	USPAT	2003/05/20 07:39
22	157		USPAT	2003/05/20 07:39
23	131	((((((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo)) and (compare or difference or threshold or "less than" or "more than")) and register) and host) and logic) and "frame buffer"	USPAT	2003/05/20 07:39
24	33	I	USPAT	2003/05/20 07:40
25	3	<pre>((((((((((((computer or video or multimedia) same display) and controller ) and @ad&lt;20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo)) and (compare or difference or threshold or "less than" or "more than")) and register) and host) and logic) and "frame buffer") and (first adj7 counter)) and (second adj4 counter)</pre>	USPAT	2003/05/20 07:48
26	1	(((((computer or video or multimedia) same display) and controller) and @ad<20000928) and (underflow or starve or lockup or \$lock\$ or flicker or jitter) and vram and count and clock) and (fifo)) and ("dual scan" and interleav\$3)	USPAT	2003/05/20 07:50
27	12		USPAT	2003/05/20 07:50
_	2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/05/19 16:34
_	0	(computer or video or multimedia or dsp or pda or cpu) and (buffer adj frame) and (raster same engine) and fifo and counter and pipeline and underflow and @ad<20000928	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/05/19 10:43

-	3673	(computer or video or multimedia or dsp or	USPAT;	2003/05/19 08:13
		pda or cpu) and underflow and @ad<20000928	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
1_	1204	(computer or video or multimedia or dsp or	IBM_TDB USPAT;	2003/05/19 08:16
	1204	pda or cpu) and ((rendering or render or	US-PGPUB;	2003/03/19 08:16
		raster or scan) adj engine)	EPO; JPO;	
		Laster of Sean, and engine,	DERWENT;	
			IBM TDB	
_	4	((computer or video or multimedia or dsp	USPAT;	2003/05/19 08:15
		or pda or cpu) and ((rendering or render	US-PGPUB;	2000,00,15 00110
		or raster or scan) adj engine)) and	EPO; JPO;	i
		counter and logic and clock and underflow	DERWENT;	
			IBM TDB	
-	4	, , , , compared to least of maleumeala of asp	USPAT;	2003/05/19 08:16
		or pda or cpu) and ((rendering or render	US-PGPUB;	
		or raster or scan) adj engine)) and	EPO; JPO;	1
		counter and logic and clock and underflow)	DERWENT;	
		and @ad<20000928	IBM_TDB	
-	3416		USPAT;	2003/05/19 08:38
		cpu) and (render\$3 or raster\$3 or scan\$4)	US-PGPUB;	·
1		and (video adj4 controller) and	EPO; JPO;	
	1	@ad<20000928	DERWENT;	
_	124	((computer or multimedia or dsp or pda or	IBM_TDB USPAT;	2002/05/10 00:00
	124	cpu) and (render\$3 or raster\$3 or scan\$4)	USPAT; US-PGPUB;	2003/05/19 08:38
		and (video adj4 controller) and	EPO; JPO;	
•		@ad<20000928) and underflow	DERWENT;	
•		cua ilososizo, ana anasilion	IBM TDB	
_	74	(((computer or multimedia or dsp or pda or	USPAT;	2003/05/19 08:38
		cpu) and (render\$3 or raster\$3 or scan\$4)	US-PGPUB;	
		and (video adj4 controller) and	EPO; JPO;	
		@ad<20000928) and underflow) and clock and	DERWENT;	
		fifo	IBM TDB	
-	8	((((computer or multimedia or dsp or pda	USPĀT;	2003/05/19 08:56
		or cpu) and (render\$3 or raster\$3 or	US-PGPUB;	
		scan\$4) and (video adj4 controller) and	EPO; JPO;	
		@ad<20000928) and underflow) and clock and	DERWENT;	
		fifo) and engine same (raster or render or	IBM_TDB	
_	1	scan)		0000/05/40 00 ==
_	1	((computer or multimedia or dsp or pda or cpu) and (render\$3 or raster\$3 or scan\$4)	USPAT;	2003/05/19 08:57
		and (video adj4 controller) and	US-PGPUB;	
		@ad<20000928) and ((engine adj4 (raster or	EPO; JPO; DERWENT;	
		render or scan)) same fifo)	IBM TDB	
-	0	((computer or video or multimedia or dsp	USPAT;	2003/05/19 08:57
i		or pda or cpu) and underflow and	US-PGPUB;	
		@ad<20000928) and ((engine adj4 (raster or	EPO; JPO;	
		render or scan)) same fifo)	DERWENT;	
[		·	IBM TDB	
-	251	computer and ((render or graphics or scan)	USPAT;	2003/05/19 09:00
		adj3 (engine or controller) same fifo)	US-PGPUB;	
			EPO; JPO;	
1			DERWENT;	
]	_ ا		IBM_TDB	
-	9	((computer and ((render or graphics or	USPAT;	2003/05/19 09:04
		scan) adj3 (engine or controller) same	US-PGPUB;	
]		fifo)) and (count same (pipeline or	EPO; JPO;	
		frame))) and underflow	DERWENT;	
_	ا و	(((computer and ((render or graphics or	IBM_TDB USPAT;	2002/05/10 00:07
	9	scan) adj3 (engine or controller) same	US-PGPUB;	2003/05/19 09:07
		fifo)) and (count same (pipeline or	EPO; JPO;	
	i	frame))) and underflow) and underflow	DERWENT;	
		,	IBM TDB	
<u> </u>				L

		<del></del>	Υ	
-	0	((computer and ((render or graphics or	USPAT;	2003/05/19 09:13
		scan) adj3 (engine or controller) same	US-PGPUB;	
		fifo)) and ((vram or "video ram" or	EPO; JPO;	
		"video-ram" or ((multiport or multi-port)	DERWENT;	1
		adj3 dram)) same fifo)) and underflow and	IBM_TDB	
		count and clock		
-	1	1 ((	USPAT;	2003/05/19 09:14
		scan) adj3 (engine or controller) same	US-PGPUB;	
	İ	fifo)) and ((vram or "video ram" or	EPO; JPO;	
+		"video-ram" or ((multiport or multi-port)	DERWENT;	
	٠	adj3 dram)) same fifo)) and underflow	IBM_TDB	
-	46		USPAT;	2003/05/19 09:22
	İ	scan) adj3 (engine or controller) same	US-PGPUB;	
		fifo)) and (count same (pipeline or	EPO; JPO;	
		frame))	DERWENT;	
	20		IBM_TDB	0000/05/10 00 15
-	29	(	USPAT;	2003/05/19 09:46
		scan) adj3 (engine or controller) same	US-PGPUB;	
		fifo)) and ((vram or "video ram" or	EPO; JPO;	
		"video-ram" or ((multiport or multi-port) adj3 dram)) same fifo)	DERWENT;	
_	28		IBM_TDB	2003/05/19 09:33
1	20	((computer and ((render or graphics or scan) adj3 (engine or controller) same	USPAT; US-PGPUB;	2003/03/19 09:33
		fifo)) and ((vram or "video ram" or	EPO; JPO;	
		"video-ram" or ((multiport or multi-port)	DERWENT;	
		adj3 dram)) same fifo)) and @ad<20000928	IBM TDB	
_	8		USPAT;	2003/05/19 10:35
		or pda or cpu) and underflow and	US-PGPUB;	2003/03/19 10.33
		@ad<20000928) and ((vram or "video ram" or	EPO; JPO;	
		"video-ram" or ((multiport or multi-port)	DERWENT;	
		adj3 dram)) same fifo)	IBM TDB	
_	1		USPAT;	2003/05/19 10:36
		or pda or cpu) and underflow and	US-PGPUB;	
		@ad<20000928) and (undeflow same (count or	EPO; JPO;	
		counter)) and fifo	DERWENT;	
	ĺ		IBM TDB	
-	3	, ,	USPAT;	2003/05/19 10:45
		or pda or cpu) and (buffer adj frame) and	US-PGPUB;	
		underflow and @ad<20000928) and (fifo same	EPO; JPO;	
		(vram or "video ram"))	DERWENT;	
			IBM_TDB	
-	132		USPAT;	2003/05/19 11:06
		pda or cpu) and (buffer adj frame) and	US-PGPUB;	
		underflow and @ad<20000928	EPO; JPO;	
			DERWENT;	
_	0	((computer or multimodia or don on ada	IBM TDB	2003/05/10 11:07
		((computer or multimedia or dsp or pda or cpu) and (render\$3 or raster\$3 or scan\$4)	USPAT; US-PGPUB;	2003/05/19 11:07
		and (video adj4 controller) and	EPO; JPO;	
		@ad<20000928) and "video underflow	DERWENT;	
		detection"	IBM TDB	
-	0	((computer or video or multimedia or dsp	USPAT;	2003/05/19 11:07
1		or pda or cpu) and underflow and	US-PGPUB;	
		@ad<20000928) and "video underflow	EPO; JPO;	
		detection"	DERWENT;	
			IBM_TDB	
-	0	(computer or multimedia or video) and	USPAT;	2003/05/19 11:09
		"video underflow detection" and	US-PGPUB;	
		@ad<20000928	EPO; JPO;	
			DERWENT;	
<u> </u>	101	loomoutor or multimodic	IBM_TDB	2002/05/12 12 12
-	181	(computer or multimedia or video) and ("video controller" or "graphics adapter"	USPAT;	2003/05/19 12:19
		or "graphics controller" or "video display	US-PGPUB; EPO; JPO;	
		adapter" or "display controller" or	DERWENT;	
		"display adapter") and ("shared bus" or	IBM TDB	
		"common bus") and (jitter or shift or	12.1_100	
		flash or "blank outs") and @ad<20000928		
		, , , , , , , , , , , , , , , , , , , ,		

_	0	((computer or multimedia or video) and ("video controller" or "graphics adapter" or "graphics controller" or "video display adapter" or "display controller" or "display adapter") and ("shared bus" or "common bus") and (jitter or shift or flash or "blank outs") and @ad<20000928) and "video underflow"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 11:16
-	13	((computer or multimedia or video) and ("video controller" or "graphics adapter" or "graphics controller" or "video display adapter" or "display controller" or "display adapter") and ("shared bus" or "common bus") and (jitter or shift or flash or "blank outs") and @ad<20000928) and underflow	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 11:17
_	16		USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 11:36
-	1	6092132.URPN.	USPAT	2003/05/19 12:13
-	0	6489964.URPN.	USPAT	2003/05/19 12:13
-	0	6489964.URPN.	USPAT	2003/05/19 12:16
	52	((computer or multimedia or video) and ("video controller" or "graphics adapter" or "graphics controller" or "video display adapter" or "display controller" or "display adapter") and ("shared bus" or "common bus") and (jitter or shift or flash or "blank outs") and @ad<20000928) and (underflow or starved or empty)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 12:25
<b>-</b>	22	(((computer or multimedia or video) and ("video controller" or "graphics adapter" or "graphics controller" or "video display adapter" or "display controller" or "display adapter") and ("shared bus" or "common bus") and (jitter or shift or flash or "blank outs") and @ad<20000928) and (underflow or starved or empty)) and fifo	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 12:20
	713489	((((computer or multimedia or video) and ("video controller" or "graphics adapter" or "graphics controller" or "video display adapter" or "display controller" or "display adapter") and ("shared bus" or "common bus") and (jitter or shift or flash or "blank outs") and @ad<20000928) and (underflow or starved or empty)) and fifo ) and count or counter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 12:21
	18		USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/19 12:21
_	202	((computer or video or multimedia or dsp or pda or cpu) and ((rendering or render or raster or scan) adj engine)) and (underflow or starved or empty)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/05/19 12:25

			Lucanam	1 0000 /05 /10 10 06
-	29	, · · · · •	USPAT;	2003/05/19 12:26
		or pda or cpu) and ((rendering or render	US-PGPUB;	1
		or raster or scan) adj engine)) and	EPO; JPO;	İ
1	•	(underflow or starved or empty)) and (fifo	DERWENT;	1
		and count and "frame buffer")	IBM_TDB	0000105110 10 06
-	19	· •	USPAT	2003/05/19 12:36
		US-6348919-\$ or US-5189636-\$ or	İ	1
1		US-6539054-\$ or US-6292908-\$ or		1
		US-6247084-\$ or US-6092132-\$ or		
		US-5854638-\$ or US-5321750-\$ or		
		US-5146592-\$ or US-4642794-\$ or		
		US-4323896-\$ or US-6377265-\$ or		
1		US-6326964-\$ or US-6292194-\$ or		
		US-6259460-\$ or US-6111584-\$ or		
1	_	US-5185599-\$).did.		0000/05/10 14 00
-	6	((US-6317803-\$ or US-6489964-\$ or	USPAT;	2003/05/19 14:02
1		US-6348919-\$ or US-5189636-\$ or	US-PGPUB;	1
		US-6539054-\$ or US-6292908-\$ or	EPO; JPO;	
		US-6247084-\$ or US-6092132-\$ or	DERWENT;	
		US-5854638-\$ or US-5321750-\$ or	IBM_TDB	
		US-5146592-\$ or US-4642794-\$ or		
		US-4323896-\$ or US-6377265-\$ or		1
		US-6326964-\$ or US-6292194-\$ or		
		US-6259460-\$ or US-6111584-\$ or		
		US-5185599-\$).did.) and underflow		
-	5	(((US-6317803-\$ or US-6489964-\$ or	USPAT;	2003/05/19 14:03
		US-6348919-\$ or US-5189636-\$ or	US-PGPUB;	
1	i	US-6539054-\$ or US-6292908-\$ or	EPO; JPO;	
		US-6247084-\$ or US-6092132-\$ or	DERWENT;	1
		US-5854638-\$ or US-5321750-\$ or	IBM_TDB	
		US-5146592-\$ or US-4642794-\$ or		1
}		US-4323896-\$ or US-6377265-\$ or		
		US-6326964-\$ or US-6292194-\$ or		
		US-6259460-\$ or US-6111584-\$ or		
1	ŀ	US-5185599-\$).did.) and underflow) and	}	
İ		pipeline		
<del>-</del> .	4	((((US-6317803-\$ or US-6489964-\$ or	USPAT;	2003/05/19 14:03
		US-6348919-\$ or US-5189636-\$ or	US-PGPUB;	
		US-6539054-\$ or US-6292908-\$ or	EPO; JPO;	
		US-6247084-\$ or US-6092132-\$ or	DERWENT;	
		US-5854638-\$ or US-5321750-\$ or	IBM_TDB	
		US-5146592-\$ or US-4642794-\$ or		
		US-4323896-\$ or US-6377265-\$ or		
	·	US-6326964-\$ or US-6292194-\$ or		
		US-6259460-\$ or US-6111584-\$ or	Ì	
		US-5185599-\$).did.) and underflow) and		
1		pipeline) and host		
-	3	1 11 11 11 11 11 11 11 11 11 11 11 11 1	USPAT;	2003/05/19 14:03
1		US-6348919-\$ or US-5189636-\$ or	US-PGPUB;	
		US-6539054-\$ or US-6292908-\$ or	EPO; JPO;	
		US-6247084-\$ or US-6092132-\$ or	DERWENT;	
		US-5854638-\$ or US-5321750-\$ or	IBM_TDB	
1	1	US-5146592-\$ or US-4642794-\$ or		
	The state of the s	US-4323896-\$ or US-6377265-\$ or		
1	1	US-6326964-\$ or US-6292194-\$ or		
1	1	US-6259460-\$ or US-6111584-\$ or		
1		US-5185599-\$).did.) and underflow) and		
1	į	pipeline) and host) and counter		
-	3	((((((US-6317803-\$ or US-6489964-\$ or	USPAT;	2003/05/19 14:08
	-	US-6348919-\$ or US-5189636-\$ or	US-PGPUB;	
1	1	US-6539054-\$ or US-6292908-\$ or	EPO; JPO;	
		US-6247084-\$ or US-6092132-\$ or	DERWENT;	
	]	US-5854638-\$ or US-5321750-\$ or	IBM_TDB	
	1	US-5146592-\$ or US-4642794-\$ or		
		US-4323896-\$ or US-6377265-\$ or		•
i .		US-6326964-\$ or US-6292194-\$ or		
		US-6259460-\$ or US-6111584-\$ or	1	I
			ł	
		US-5185599-\$).did.) and underflow) and		

-	592	(computer or multimedia or video) and	USPAT;	2003/05/19 16:35
		(graphics or render\$3 or raster\$3) and	US-PGPUB;	
		FIFO and vram and @ad<20000928	EPO; JPO;	
			DERWENT;	
	8	((computer or multimedia or video) and	IBM_TDB USPAT;	2003/05/19 14:14
-	•	(graphics or render\$3 or raster\$3) and	US-PGPUB;	2003/03/13 14:14
		FIFO and vram and @ad<20000928) and	EPO; JPO;	1
		((underflow or starve or empty) same	DERWENT;	ł
		((raster or frame or video) adj memory))	IBM TDB	
	0	((computer or multimedia or video) and	USPAT;	2003/05/19 15:10
	, i	(graphics or render\$3 or raster\$3) and	US-PGPUB;	
		FIFO and vram and @ad<20000928) and "first	EPO; JPO;	
		input counter"	DERWENT;	
		-	IBM_TDB	
-	0	((computer or multimedia or video) and	USPAT;	2003/05/19 15:12
		(graphics or render\$3 or raster\$3) and	US-PGPUB;	
		FIFO and vram and @ad<20000928) and	EPO; JPO;	
		("first counter" same input )	DERWENT;	
			IBM_TDB	
-	6	((computer or multimedia or video) and	USPAT;	2003/05/19 15:43
		(graphics or render\$3 or raster\$3) and	US-PGPUB;	
1		FIFO and vram and @ad<20000928) and (first	EPO; JPO;	
		adj7 counter) same input	DERWENT;	1
	(2)		IBM_TDB	2003/05/19 15:41
-	63	((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and	USPAT; US-PGPUB;	2003/05/19 15:41
		FIFO and vram and @ad<20000928) and (first	EPO; JPO;	
		adj7 counter)	DERWENT;	
		adj/ counter)	IBM TDB	
1_	1	(((computer or multimedia or video) and	USPAT;	2003/05/19 15:45
	_	(graphics or render\$3 or raster\$3) and	US-PGPUB;	2003, 00, 13 10110
		FIFO and vram and @ad<20000928) and (first	EPO; JPO;	
		adj7 counter) same input) and cursor	DERWENT;	
			IBM TDB	
_	7	((computer or multimedia or video) and	USPĀT;	2003/05/19 16:02
		(graphics or render\$3 or raster\$3) and	US-PGPUB;	
		FIFO and vram and @ad<20000928) and	EPO; JPO;	
•		"cursor image"	DERWENT;	
			IBM_TDB	
-	161		USPAT;	2003/05/19 16:02
1		(graphics or render\$3 or raster\$3) and	US-PGPUB;	
		FIFO and vram and @ad<20000928) and	EPO; JPO;	
		"cursor"	DERWENT;	<u> </u>
	١ ,	////samputan an multimodia an midaal and	IBM_TDB	2003/05/19 16:03
-	0	(((((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and	USPAT; US-PGPUB;	2003/05/19 16:03
		FIFO and vram and @ad<20000928) and	EPO; JPO;	
		"cursor") and pipeline) and counter) and	DERWENT;	
	1	"first count"	IBM TDB	
-	0		USPAT;	2003/05/19 16:03
		(graphics or render\$3 or raster\$3) and	US-PGPUB;	
		FIFO and vram and @ad<20000928) and	EPO; JPO;	
		"cursor") and pipeline) and counter) and	DERWENT;	
		"second count"	IBM_TDB	
-	0	[ ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	USPAT;	2003/05/19 16:05
		and (graphics or render\$3 or raster\$3) and	US-PGPUB;	
		FIFO and vram and @ad<20000928) and	EPO; JPO;	
		"cursor") and pipeline) and counter) and	DERWENT;	
	1	"output counter") and "input counter") and	IBM_TDB	
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_	27	(((((((computer or multimedia or video)	USPAT;	2003/05/19 16:05
		and (graphics or render\$3 or raster\$3) and	US-PGPUB;	
	-	FIFO and vram and @ad<20000928) and	EPO; JPO; DERWENT;	
]	ŀ	"cursor") and pipeline) and counter) and "output counter") and "input counter") and	IBM TDB	
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		memory)		
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-	27	(((((computer or multimedia or video) and	USPAT;	2003/05/19 16:11
		(graphics or render\$3 or raster\$3) and	US-PGPUB;	
		FIFO and vram and @ad<20000928) and "cursor") and pipeline) and counter) and	EPO; JPO; DERWENT;	
		"output counter") and "input counter"	IBM TDB	
_	61	((((computer or multimedia or video) and	USPAT;	2003/05/19 16:11
		(graphics or render\$3 or raster\$3) and	US-PGPUB;	
		FIFO and vram and @ad<20000928) and	EPO; JPO;	
	i	"cursor") and pipeline) and counter	DERWENT; IBM TDB	
_	28	(((((computer or multimedia or video) and	USPAT;	2003/05/19 16:29
	20	(graphics or render\$3 or raster\$3) and	US-PGPUB;	2003,03,13 10.23
		FIFO and vram and @ad<20000928) and	EPO; JPO;	
		"cursor") and pipeline) and counter) and	DERWENT;	
		"output counter"	IBM_TDB USPAT	2002/05/10 16.21
-	0 2	734010.URPN. 5862150.URPN.	USPAT	2003/05/19 16:31     2003/05/19 16:31
_	1 –	((computer or multimedia or video) and	USPAT;	2003/05/19 16:35
		(graphics or render\$3 or raster\$3) and	US-PGPUB;	
		FIFO and vram and @ad<20000928) and	EPO; JPO;	
		"address counter"	DERWENT;	
1_	52	(((computer or multimedia or video) and	IBM_TDB USPAT;	2003/05/19 16:35
-	52	(((computer or multimedia of video) and (graphics or render\$3 or raster\$3) and	US-PGPUB;	2003/03/19 10:33
		FIFO and vram and @ad<20000928) and	EPO; JPO;	
		"address counter") and pipeline	DERWENT;	
			IBM_TDB	0000/05/20 26 36
-	44	((((computer or multimedia or video) and (graphics or render\$3 or raster\$3) and	USPĀT; US-PGPUB;	2003/05/19 16:36
		FIFO and vram and @ad<20000928) and	EPO; JPO;	
		"address counter") and pipeline) and	DERWENT;	
		"frame buffer"	IBM_TDB	
-	0	((((((computer or multimedia or video) and	USPAT;	2003/05/19 16:36
		(graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and	US-PGPUB; EPO; JPO;	
		"address counter") and pipeline) and	DERWENT;	
		"frame buffer") and (underflow or starve	IBM TDB	
		or empty)) and lockup	_	
-	0	(((computer or multimedia or video) and	USPAT;	2003/05/19 16:37
		(graphics or render\$3 or raster\$3) and FIFO and vram and @ad<20000928) and	US-PGPUB; EPO; JPO;	
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-	1	((computer or multimedia or video) and	USPĀT;	2003/05/19 16:37
		(graphics or render\$3 or raster\$3) and	US-PGPUB;	
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			DERWENT; IBM TDB	
_	36	(((((computer or multimedia or video) and	USPAT;	2003/05/19 16:39
	1	(graphics or render\$3 or raster\$3) and	US-PGPUB;	
		FIFO and vram and @ad<20000928) and	EPO; JPO;	
	1	"address counter") and pipeline) and "frame buffer") and (underflow or starve	DERWENT;	
		or empty)	IBM_TDB	
-	74	1	USPAT;	2003/05/19 16:55
1	1	(graphics or render\$3 or raster\$3) and	US-PGPUB;	
		FIFO and vram and @ad<20000928) and	EPO; JPO;	
		"cursor") and pipeline	DERWENT; IBM TDB	
_	4	"6195079"	USPAT;	2003/05/19 16:59
	1		US-PGPUB;	
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1_	35	"5068905"	IBM_TDB USPAT;	2003/05/19 17:00
-	33		US-PGPUB;	2003,03,13 17.00
	1		EPO; JPO;	
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-	2	6317803.URPN.	USPAT	2003/05/19 18:11
-	25	5189636.URPN.	USPAT	2003/05/19 18:14
-	0	6539054.URPN.	USPAT	2003/05/19 18:18
_	5	6247084.URPN.	USPAT	2003/05/19 18:18
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